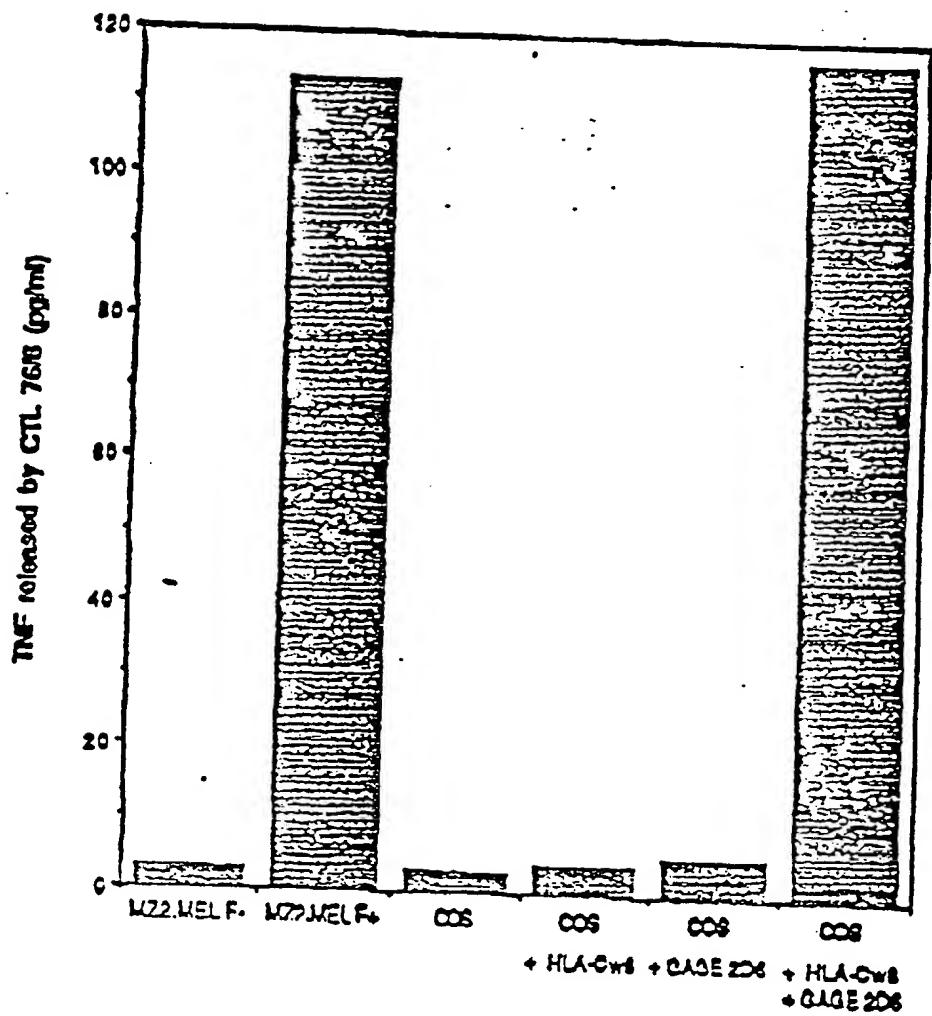


Figure 1



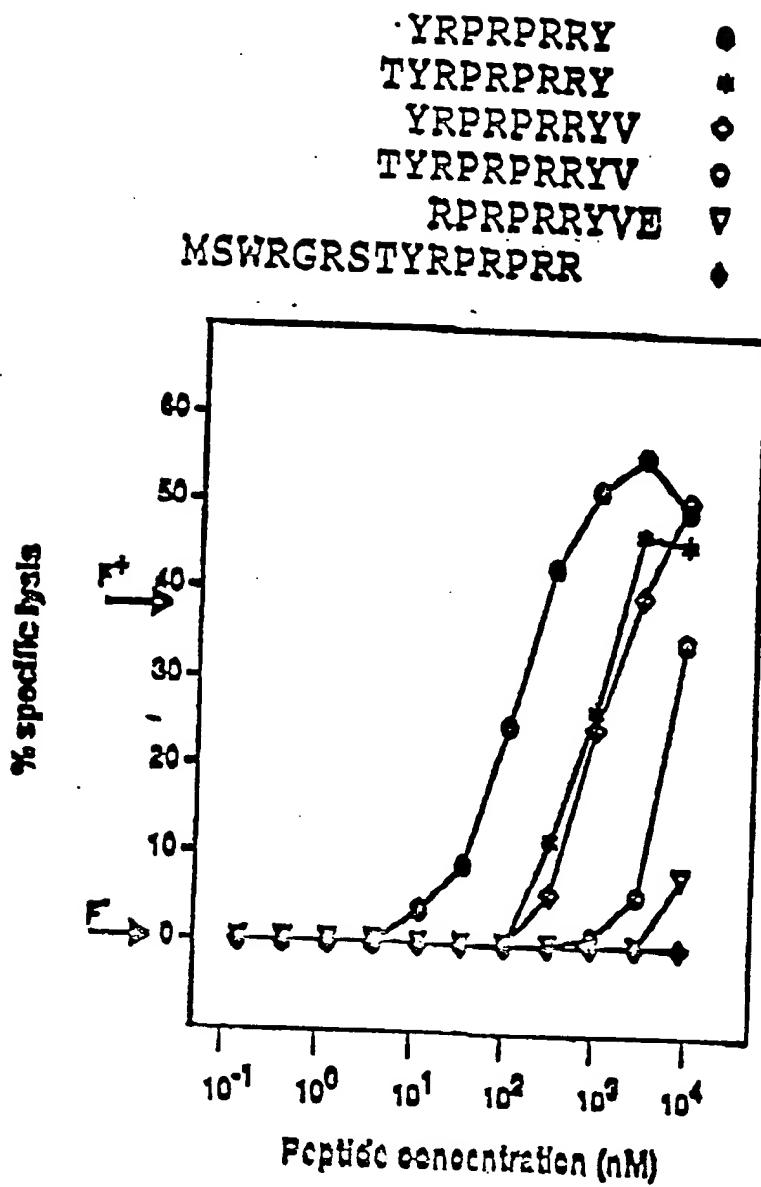


Figure 3

Figure 4

antigenic  
peptide

GAGE-1	PS-WRQGSTI-P-RPRRYVYPPPEI	GPKRFEQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGEDEGASAGQGPKEA	7
GAGE-2	PS-WRQGSTI-P-RPRRYVYPPPEI	GPKRFEQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGED2GASAGQGPKEA	7
GAGE-3	PS-LSRGKSTT-I-FRPBARYVOPPEVI	GPMRPFQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGEDEGASAGQGPKEA	7
GAGE-4	PS-WRQGSTI-P-RPRRYVYPPPEI	GPKRFEQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGED2GASAGQGPKEA	7
GAGE-5	PS-WRQGSTI-P-RPRRYVYOPPEVI	GPKRFEQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGED2GASAGQGPKEA	7
GAGE-6	PS-WRQGSTI-P-RPRRYVYOPPEVI	GPKRFEQFSDDEVIPATPDEEGEPATO	RQDPAAAQEGEDEGASAGQGPKEA	7

GAGE-1	DSQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	LLQGNCPLNLSPRKRP	13
GAGE-2	ESQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	-----	11
GAGE-3	DSQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	-----	11
GAGE-4	DSQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	-----	11
GAGE-5	DSQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	-----	11
GAGE-6	DSQEQQGPQTGCCECEDGPDQEQDP	PAPIEEVKTPEDGKRSHTVAQTCILW	-----	11

Figure 5

Stimulator cells

MZ2-MEL-43 (F<sup>+</sup>)

MZ2-MEL-2.2.5 (F)

COS + HLA-Cw8

COS + HLA-Cw8 + GAGE-1

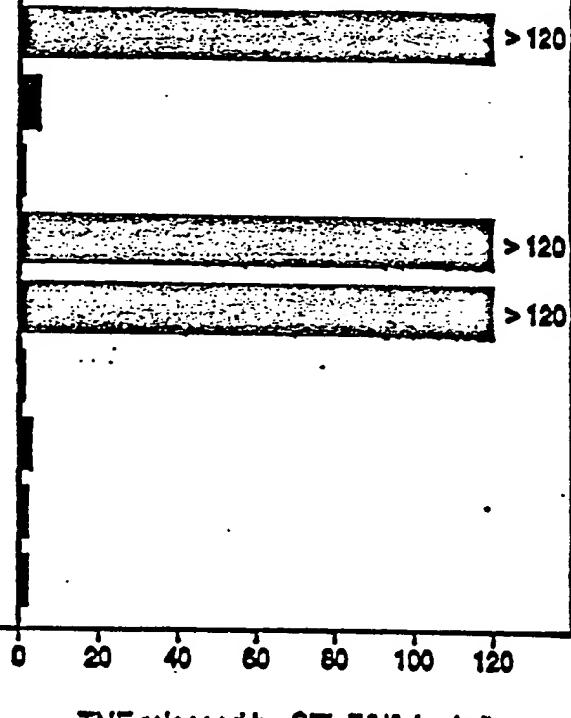
COS + HLA-Cw8 + GAGE-2

COS + HLA-Cw8 + GAGE-3

COS + HLA-Cw8 + GAGE-4

COS + HLA-Cw8 + GAGE-5

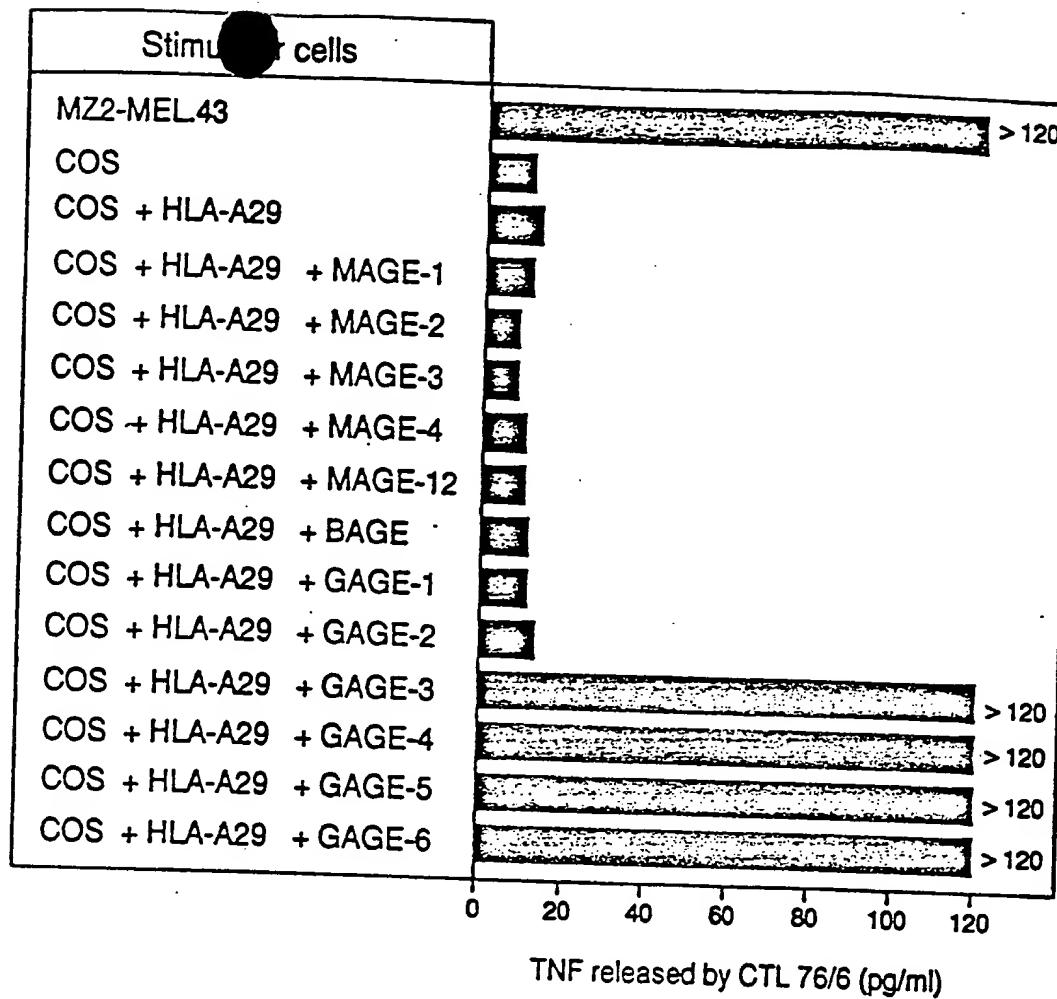
COS + HLA-Cw8 + GAGE-6



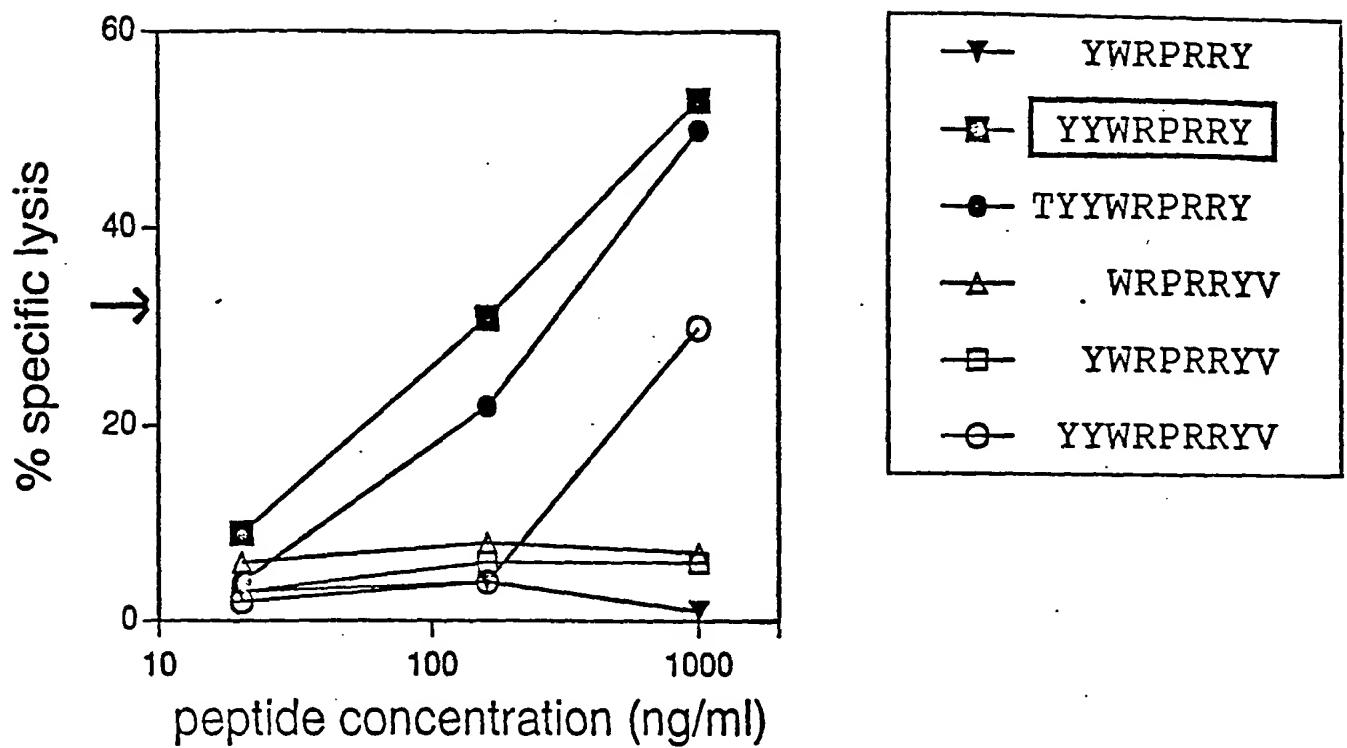
TNF released by CTL 76/6 (pg/ml)

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

Figure 6



**Figure 7.** Stimulation of MZ2-CTL 22/23 by COS-7 cells transiently transfected with an HLA-A29 cDNA and MAGE, BAGE or GAGE cDNA. The CTL was added after 24 hours and the production of TNF was estimated 24 hours later. MZ2-MEL43 was used as a positive control stimulator cell.



**Figure 6** Lysis by MZ2-CTL 22/23 of lymphoblastoid cell line LB17-EBV incubated with GAGE-encoded peptide YYWPRPPTY. Thousand 51Cr-labelled LB17-EBV target cells were incubated in 96 well microplates in the presence of various concentrations of peptide for 15 minutes at 37°C. An equal volume containing 6000 CTL was then added. Chromium release was measured after 4 hours at 37°C. We have indicated the final concentration of peptides during the incubation of the target cells with the CTL. The arrow indicates the percentage of lysis of MZ2-MEL.43 cells.